

WHAT IS CLAIMED IS:

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1. A method for providing enhanced conferencing control  
features in an Internet-based conference solution, comprising the  
10 steps of:

configuring a member using one or more commands to result in  
displaying a member icon on a computer screen; and  
15 storing the configuration for the member into a file.

2. The method of claim 1, wherein the step of configuring  
comprises inputting definition and identification information.  
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3. The method of claim 2, wherein the step of storing comprises  
storing the member configuration in a database.  
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4. The method of claim 3, further comprising the steps of:  
assigning the member as a member administrator using one or  
30 more commands;  
creating a conference room by the member administrator using  
one or more commands;  
connecting to a server by the member administrator to allow  
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other members to join the conference room using one or more commands; and

5        selecting certain of the other members by the member administrator to be conference participants in the conference room with the member administrator by using one or more commands;

10      and

         commencing communication in the conference room by the member administrator so that the selected certain other members and member administrator are conference participants using one or  
15      more commands.

20      5.    The method of claim 4, wherein the commands are graphical user interface (GUI) commands.

25      6.    The method of claim 4, wherein the step of creating includes the member administrator selecting a first set secondary function (Room Commence), which is among other first set secondary functions (Room Adjourn, Room Transcribe).

30      7.    The method of claim 6, wherein the first set secondary function (Room Commence) creates and commences communication in  
35      the conference room.

5 8. The method of claim 7, wherein another of the first set  
secondary functions (Room Adjourn) closes the conference room and  
ends all communication.

10 9. The method of claim 8, wherein another of the first set  
secondary functions (Room Transcribe) allows the member  
administrator to have the conference communication transcribed.

15 10. The method of claim 4, wherein the step of connecting allows  
the member administrator to use a first set dialing function and  
first set tertiary functions (Phone, Location, IP Address) to  
20 access first set tertiary function first elements public branch  
exchange (PBX) or voice internet protocol (VoIP) gateway.

25 11. The method of claim 4, wherein the step of commencing  
communication consists of the member administrator selecting a  
first set secondary function (Room Commence) to allow  
30 communication between the selected certain other members and  
member administrator in the conference room.

35 12. The method of claim 4, wherein the member administrator has

a plurality of first set functions (Admin, Mute, Whisper, Dial, Create Table, Create Avatar, Quit) available.

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13. The method of claim 12, wherein the member administrator may select one of the first set functions (Mute) to mute the member administrator, whereas the selected certain other members as conference participants will not be able to hear the member administrator but the member administrator will be able to hear the selected certain other members as conference participants.

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14. The method of claim 12, wherein the member administrator may select one of the first set functions (Whisper) to whisper to a particular selected certain other member, whereas the member administrator and the particular selected certain other member will be able to communicate with each other without other non-particular selected certain other members as conference participants hearing them.

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15. The method of claim 12, wherein the dialing function is a first set function (Dial) that allows the member administrator to connect to first set tertiary functions (Phone, Location, or IP Address) to access first set tertiary function first elements

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public branch exchange (PBX) or voice internet protocol (VoIP) gateway.

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16. The method of claim 12, wherein the member administrator may select one of the first set functions (Create Table) in order to  
10 create a table and select itself and a particular selected certain other member as conference participant to invite the particular selected certain other member as conference  
15 participant to a table session discussion.

17. The method of claim 16, wherein the particular selected certain other member may accept, deny, or block the invitation  
20 from the member administrator to a table session discussion.

18. The method of claim 17, wherein when the particular selected  
25 certain other member accepts the table invitation, the administrator and the particular selected certain other member may communicate between themselves in the separate table  
30 discussion and no other non-particular selected certain other member as conference participant in the conference can hear the member administrator and the particular selected certain other member and  
35 the particular selected certain other member and

member administrator cannot hear the conference.

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19. The method of claim 17, wherein when the particular selected certain other member accepts the table invitation, the member administrator and the particular selected certain other member can communicate between themselves in the separate table discussion and no other non-particular selected certain other member as conference participant in the conference can hear the member administrator and the particular selected certain other member but the particular selected certain other member and member administrator can hear and communicate with the conference.

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20. The method of claim 17, wherein when the particular selected certain other member denies when invited to the table session, the member administrator is notified of such denial and the particular selected certain other member is not entered in the table session discussion.

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21. The method of claim 17, wherein when the particular selected certain other member blocks the table invitation, the member administrator is notified of such block and is blocked, until

unblocked by the particular selected certain other member, from  
sending table invites to the particular selected certain other  
5 member and the particular selected certain other member is not  
entered in the table session discussion.

10 22. The method of claim 12, wherein the member administrator may  
select one of the first functions (Create Avatar) to create an  
avatar conference where an incarnation of the member  
15 administrator will reside as the administrator in the avatar  
conference, with all the capabilities the member administrator  
has in the conference, with the addition of a bridge function  
which may bridge the avatar conference with the conference.

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23. The method of claim 22, wherein the bridge function consists  
of a one way bridge, a two way bridge and an amway bridge.

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24. The method of claim 23, wherein the one way bridge allows  
the member administrator and selected certain other members as  
30 conference participants in the avatar conference to hear the  
selected certain other members as conference participants of the  
conference.

25. The method of claim 23, wherein the one way bridge allows the member administrator and the selected certain other members  
5 as conference participants of the conference to hear selected certain other members as conference participants in the avatar conference.

10 26. The method of claim 23, wherein the two way bridge allows the member administrator and selected certain other members as  
15 conference participants of the avatar conference and member administrator and the selected certain other members as conference participants of the conference to hear each other.

20 27. The method of claim 23, wherein the amway bridge allows the member administrator to choose selected certain other members from the avatar conference as conference participants and choose  
25 selected certain other members from the conference as conference participants in order that they may communicate with each other in a one way bridge or two way bridge scenario.

30 28. The method of claim 12, wherein the member administrator may select one of the first functions (Quit) to adjourn the  
35 conference after the selected certain other members as conference



participants have vacated the conference room.

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29. The method of claim 3, further comprising the steps of:

connecting to a server by the member to join a conference room using one or more commands;

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waiting for a member administrator to select the member and commence communication in the conference room so that the selected member is a conference participant by using one or more

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commands; and

engaging in conversation in the conference room which is comprised of the selected member and member administrator as conference participants using one or more commands.

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30. The method of claim 29, wherein the commands are graphical user interface (GUI) commands.

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31. The method of claim 29, wherein the step of connecting allows the member to use a first set dialing function and first set tertiary functions (Phone, Location, IP Address) to access first set tertiary function first elements public branch exchange (PBX) or voice internet protocol (VoIP) Gateway.

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32. The method of claim 29, wherein the step of waiting consists  
of the member waiting for the member administrator to select the  
member and a first set secondary function (Room Commence) to  
allow communication between the selected member and member  
administrator as conference participants.

33. The method of claim 29, wherein the member and selected  
member has first set functions (Mute, Whisper, Dial, Create Table,  
Create Avatar, Quit) available.

34. The method of claim 33, wherein the selected member may  
select one of the first set functions (Mute) to mute the selected  
member, whereas other selected members and member administrator  
as conference participants will not be able to hear the selected  
member but the selected member will be able to hear the other  
selected members and member administrator as conference  
participants.

35. The method of claim 33, wherein the selected member may  
select one of the first set functions (Whisper) to whisper to  
another selected member or member administrator, whereas the  
selected member and the another selected member or member

administrator will be able to communicate with each other without  
other selected members as conference participants hearing them.

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36. The method of claim 33, wherein the dialing function is a  
first set function (Dial) that allows the member and selected  
member to connect to first set tertiary functions (Phone,  
Location, IP Address) to access first set tertiary function first  
elements public branch exchange (PBX) or voice internet protocol  
(VoIP) Gateway.

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37. The method of claim 33, wherein the selected member may  
select one of the first set functions (Create Table) in order to  
create a table and select itself and another selected member or  
member administrator as conference participant to invite the  
another selected member or member administrator as conference  
participant to a table session discussion.

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38. The method of claim 37, wherein the another selected member  
or member administrator may accept, deny, or block the invitation  
from the selected member to a table session discussion.

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39. The method of claim 38, wherein when the another selected

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member accepts the table invitation, the selected member and  
another selected member or member administrator may communicate  
5 between themselves in the separate table discussion and no other  
selected members as conference participants in the conference can  
hear the selected member and the another selected member or  
10 member administrator and the another selected member or member  
administrator and selected member cannot hear the conference.

15 40. The method of claim 38, wherein when the another selected  
member or member administrator accepts the table invitation, the  
selected member and another selected member or member  
administrator can communicate between themselves in the separate  
20 table discussion and no other selected members as conference  
participants in the conference can hear the selected member and  
another selected member or member administrator but the another  
25 selected member or member administrator and selected member can  
hear and communicate with the conference.

30 41. The method of claim 38, wherein when the another selected  
member or member administrator denies when invited to the table  
session, the selected member is notified of such denial and the  
another selected member or member administrator is not entered in  
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the table session discussion.

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42. The method of claim 38, wherein when the another selected member or member administrator blocks when invited to the table session, the selected member is notified of such block and is blocked, until unblocked by the another selected member or member administrator, from sending table invites to the another selected member or member administrator and the another selected member or member administrator is not entered in the table session discussion.

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43. The method of claim 33, wherein the selected member may select one of the first set functions (Create Avatar) to create an avatar conference where an incarnation of the selected member will reside as administrator in the avatar conference, with all the capabilities the member administrator has in the conference, with the addition of a bridge function which may bridge the avatar conference with the conference.

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44. The method of claim 43, wherein the bridge function consists of one way bridge, two way bridge and amway bridge.

45. The method of claim 44, wherein the one way bridge allows  
the selected member and other selected members as conference  
5 participants in the avatar conference to hear all selected  
members as conference participants of the conference.

10 46. The method of claim 44, wherein the one way bridge allows  
the selected member and other selected members as conference  
participants of the conference to hear all selected members as  
15 conference participants in the avatar conference.

47. The method of claim 44, wherein the two way bridge allows  
the selected member and other selected members as conference  
20 participants of the avatar conference and the selected member and  
selected members as conference participants of the conference to  
hear each other.

25 48. The method of claim 44, wherein the amway bridge allows the  
selected member to choose selected members as conference  
30 participants from the avatar conference and choose selected  
members as conference participants from the conference in order  
that they may communicate with each other in a one way bridge or  
two way bridge scenario.

5 49. The method of claim 33, wherein the selected member may quit  
at any time, such that afterwards, the selected member will not  
be a conference participant and not able to communicate with  
other selected members as conference participants.

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50. A system for providing enhanced conferencing control  
features in an Internet-based conference solution, comprising:

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a client network; and

a service provider network, wherein the client network  
transmits to the service provider network connection information  
and a function request, further characterized in that the service  
provider network operates on the connection information and  
20 function request to perform a specific operation.

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51. The system of claim 50, wherein the connection information  
and function request is transmitted between the client network  
25 and the service provider network over a wide area network.

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52. The system of claim 51, wherein the wide area network is a  
public internet.

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53. The system of claim 52, wherein the connection information  
and function request is transmitted over a computer telephone  
integration (CTI) link and public branch exchange (PBX).

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54. The system of claim 53, wherein the connection information and function request is transmitted over at least part of the client provider network on a serial link.

55. The system of claim 54, wherein the connection information and function request is transmitted over at least part of the service provider network on a serial link.

56. A system for providing enhanced conferencing control features in an Internet-based conference solution, comprising:

a client network; and

a service provider network, wherein the client network transmits to the service provider network connection information or a function request, further characterized in that the service provider network operates on the connection information or function request to perform a specific operation.

57. The system of claim 56, wherein the connection information and function request is transmitted between the client network and the service provider network over a wide area network.

58. The system of claim 57, wherein the wide area network is a public internet.

59. The system of claim 58, wherein the connection information is transmitted over a network layer and central server.



60. The system of claim 59, wherein the function request is transmitted over a computer telephone integration (CTI) link and voice internet protocol (VoIP) Gateway.

61. The system of claim 60, wherein the connection information and function request is transmitted over at least part of the client provider network on a serial link.

62. The system of claim 61, wherein the connection information and function request is transmitted over at least part of the service provider network on a serial link.

63. A system for providing enhanced conferencing control features in an Internet-based conference solution, comprising:

a client network comprising:

a controller for generating connection information and function request;

an interface for receiving and operating on the connection information and function request;

an application programming interface (API) for controlling hardware; and

a computer telephony integration (CTI) unit for hosting software that communicates with the hardware; and

a service provider network comprising:

a conference server for receiving and executing the connection information and function request; and

a wide area network coupling the client network to the service provider network for allowing communication between the client network and the service provider network.

64. The system of claim 63, wherein the controller is a computer  
5 unit.

65. The system of claim 63, wherein the interface is an  
interface card and computer program running on a computer unit.

10 66. The system of claim 63, wherein the API and CTI are computer  
programs running on a computer unit.

15 67. The system of claim 63, wherein the conference server  
transmits data to the client network.

68. The system of claim 63, wherein the wide area network is a  
public internet.

20 69. The system of claim 63 further comprising a protocol  
converter coupled to the call management unit for converting  
between a first transmission format and a second transmission  
format.

25 70. The system of claim 63 further comprising a public branch  
exchange and voice internet protocol (VoIP) gateway coupled to  
the client network and service provider network for transmitting  
30 signals between the client network and service provider network.

71. In a system including a client network coupled to a service  
provider network over a wide area network, a method for providing

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enhanced conferencing control features in an Internet-based conference solution, comprising the steps of:

5       generating at the client network connection information and a function request to control a conference;

          transmitting to the service provider network the connection information and function request;

10       authorizing at the service provider network the client network connection information; and

          signaling the authorization information back to the client network.

15       72. The method of claim 71, further comprising barring the function request at the service provider network.

20       73. The method of claim 71, further comprising implementing the function request at the service provider network.

25       74. The method of claim 73, wherein the step of transmitting the connection information and function request comprises the step of transmitting the connection information and a function request over a public branch exchange (PBX).

30       75. The method of claim 73, wherein the step of transmitting the connection information comprises the step of transmitting the connection information over a network layer and central server.

35       76. The method of claim 75, wherein the step of transmitting the function request comprises the step of transmitting the function request over a voice internet protocol (VoIP) gateway.